

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/545,199D

DATE: 10/29/2001  
TIME: 17:57:09

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\10292001\I545199D.raw

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282 Gln Ala Ser Ile Thr Asn Glu Leu Asn Glu Ile Val Ala Gly Ala Ala
283           275           280           285
285 gca att taacaaatag aggatcggta atgcaactg gaaaaattgt acaaatcatc 1280
286 Ala Ile
288 ggtgcgggta ttgacgttga attcccacaa gatgcagtac caaaagtata tgatgcotta 1340
290 aatggtgaaa caggtttagt acttgaagtt caacaacaat taggtggtgg tgtagttcgc 1400
292 tgtatcgcaa tgggatcatc tgatggatta aaacgcggtt taagcgtaac aaatacgaat 1460
294 aacccaattt ctgttccagt gggaacgaaa acattgggtc gtatcatgaa cgtattgggt 1520
296 gaaccaatcg atgagcaagg tgaaatcggg gcagaagaga attggtctat tcaccgtgcg 1580
298 ccaccaagtt atgaagaaca atctaacagt actgaacttt tagaaacggg aattaaagtt 1640
300 atcgacttag tttgtccgtt tgcgaaaggg ggtaaagtag gtttattcgg tggtgcgggt 1700
302 gtcggtaaaa ccgtcaatat gatggaatta atccgtaaca tcgcaattga gcactcaggt 1760
304 tactctgtct ttgcgggggt aggtgagcgt acgcgtgaag gtaacgactt ctatcatgag 1820
306 atgaaagact ctaacgtatt agataaagtg tctcttgttt atggtcaaat gaacgagcca 1880
308 ccaggtaacc gtttacgtgt ggcattaaca ggcttaacta tggcggaaaa attccgtgat 1940
310 gaaggtcgtg atgtcttatt ctctgttgat aa 1972
313 <210> SEQ ID NO: 4
314 <211> LENGTH: 289
315 <212> TYPE: PRT
316 <213> ORGANISM: Pasteurella multocida
318 <400> SEQUENCE: 4
319 Met Ala Gly Ala Lys Glu Ile Arg Thr Lys Ile Ala Ser Val Lys Ser
320 1 5 10 15
322 Thr Gln Lys Ile Thr Lys Ala Met Glu Met Val Ala Ala Ser Lys Met
323 20 25 30
325 Arg Lys Thr Gln Glu Arg Met Ser Ser Arg Pro Tyr Ser Glu Thr
326 35 40 45
328 Ile Arg Asn Val Ile Ser His Val Ser Lys Ala Thr Ile Gly Tyr Lys
329 50 55 60
331 His Pro Phe Leu Val Asp Arg Glu Val Lys Lys Val Gly Met Ile Val
332 65 70 75 80
334 Val Ser Thr Asp Arg Gly Leu Cys Gly Gly Leu Asn Val Asn Leu Phe
335 85 90 95
337 Lys Thr Val Leu Asn Glu Met Lys Glu Trp Lys Glu Lys Asp Val Ser
338 100 105 110
340 Val Gln Leu Ser Leu Ile Gly Ser Lys Ser Ile Asn Phe Phe Gln Ser
341 115 120 125
343 Leu Gly Ile Lys Ile Leu Thr Gln Asp Ser Gly Ile Gly Asp Thr Pro
344 130 135 140
346 Ser Val Glu Gln Leu Ile Gly Ser Val Asn Ser Met Ile Asp Ala Tyr
347 145 150 155 160
349 Lys Lys Gly Glu Val Asp Val Val Tyr Leu Val Tyr Asn Lys Phe Ile
350 165 170 175
352 Asn Thr Met Ser Gln Lys Pro Val Leu Glu Lys Leu Ile Pro Leu Pro
353 180 185 190
355 Glu Leu Asp Asn Asp Glu Leu Gly Glu Arg Lys Gln Val Trp Asp Tyr
356 195 200 205
358 Ile Tyr Glu Pro Asp Ala Lys Val Leu Leu Asp Asn Leu Leu Val Arg
359 210 215 220

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Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.